

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT Sheet 1 of 1**

Docket No. F017/7003US1

Applicant: Bono et al.  
 Serial No: 10/826,852  
 Filed: April 16, 2004  
 For: HIGH EFFICIENCY, INDUCTIVE VIBRATION ENERGY HARVESTER  
 Examiner: Hanh N. Nguyen  
 Art Unit: 2834  
 Conf. No.: 2087

**U.S. PATENT DOCUMENTS**

| Exam<br>Inits | Cite<br>No. | Document Number | Kind<br>Code | Patentee or Applicant Name | Publication Date |
|---------------|-------------|-----------------|--------------|----------------------------|------------------|
|               |             | 2003-197970     | A1           | Srinivasan                 | 10/2003          |
|               |             | 2002-0172060    |              | Takeuchi                   | 11/2002          |
|               |             | 2001-028245     | A1           | Li Yi-Qun et al.           | 10/2001          |
|               |             | 2002-0011123    |              | O'Boyle                    | 01/2002          |
|               |             | 2002-0036282    |              | Chiang et al.              | 03/2002          |
|               |             | 4,823,617       |              | Hase et al.                | 04/1989          |
|               |             | 5,658,485       |              | Cava et al.                | 08/1997          |
|               |             | 5,675,252       |              | Podney                     | 10/1997          |
|               |             | 5,940,362       |              | Plonsky et al.             | 08/1999          |
|               |             | 6,279,406       | B1           | Li, et al.                 | 08/2004          |
|               |             | 6,437,558       | B2           | Li et al.                  | 08/2002          |
|               |             | 6,515,382       | B1           | Ullakko                    | 02/2003          |
|               |             | 6,580,271       | B2           | Li et al.                  | 06/2003          |
|               |             | 6,610,427       |              | Kashiwaya et al.           | 08/2003          |
|               |             | 6,686,205       | B1           | Schultz et al.             | 02/2004          |
|               |             | 6,809,515       | B1           | Li et al.                  | 10/2004          |
|               |             | 6,809,516       | B1           | Li et al.                  | 10/2004          |
|               |             | 6,835,463       | B2           | Srinivasan                 | 12/2004          |
|               |             | 6,984,902       | B1           | Huang et al.               | 01/2006          |
|               |             | 7,023,206       |              | Viehland et al.            | 04/2006          |

**FOREIGN PATENT DOCUMENTS**

| Exam<br>Inits | Cite<br>No. | Cy | Number      | Kind<br>Code | Patentee or Applicant Name | Publication Date | T                        |
|---------------|-------------|----|-------------|--------------|----------------------------|------------------|--------------------------|
|               |             |    | WO 00/60369 | A1           | Spinix Corp                | 12 Oct 2000      | <input type="checkbox"/> |
|               |             |    | JP 11258077 | A            | Tanaka et al.              | 09/1999          | <input type="checkbox"/> |
|               |             |    |             |              |                            |                  | <input type="checkbox"/> |
|               |             |    |             |              |                            |                  | <input type="checkbox"/> |
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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT Sheet 1 of 2**

Docket No. F017-7002

Applicant: Bono et al.  
 Serial No: 10/826,852  
 Filed: April 16, 2004  
 For: HIGH EFFICIENCY, INDUCTIVE VIBRATION ENERGY HARVESTER  
 Examiner: Hanh N. Nguyen  
 Art Unit: 2834  
 Conf. No.: 2087

**OTHER PRIOR ART – NON PATENT LITERATURE AND DOCUMENTS**

| Exam<br>Inits | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.      | T                        |
|---------------|-------------|---|--------------------------|
|               | 1           | AMIRTHARAJA, R., et al., "Self-Powered Signal Processing Using Vibration-Based Power Generation", IEEE Journal of Solid State Circuits, v. 33, n. 5, pp. 687-695 (1998)   | <input type="checkbox"/> |
|               | 2           | BEEBY et al., "Review Article" Measurement Science and Technology, 1 December 2006, Vol. 17, No. 12, Institute of Physics Publishing, Bristol, GB   | <input type="checkbox"/> |
|               | 3           | CHURCHILL, D.L., et al., "Strain Energy Harvesting for Wireless Sensor Networks," Smart Structures and Materials 2003: Smart Electronics, MEMS, BioMEMS, and Nanotechnology, Proceedings of SPIE, Vol. 5055, (2003)   | <input type="checkbox"/> |
|               | 4           | EL-HANI, M., et al., "Design and Fabrication of a New Vibration-Based Electromechanical Power Generator", Sensors and Actuators, Elsevier Science B.V., 2001, pages 335-342.  | <input type="checkbox"/> |
|               | 5           | GHANDI, K., "Compact Piezoelectric Based Power generation", Continuum Controls, Inc., DARPA Energy Harvesting Program Review, 2000  | <input type="checkbox"/> |
|               | 6           | GLYNNE-JONES, P., et al., "An Electromagnetic, Vibration-Powered Generator for Intelligent Sensor Systems", Sensors and Actuators, pages 344-349, Elsevier B.V.   | <input type="checkbox"/> |
|               | 7           | GLYNNE-JONES, P., et al., "The Modelling of a Piezoelectric Vibration Powered Generator for Microsystems", Transducer '01 - Eurosensors XV, The 11th International Conference on Solid-State Sensors and Actuators, Munich, Germany, June 10-14, 2001, pages 46 - 49. | <input type="checkbox"/> |
|               | 8           | GLYNNE-JONES, P., et al., "Towards a Piezoelectric Vibration-Powered Microgenerator", IEE Proc.-Sci Meas. Technol., Vol. 148, No. 2, March 2001, pages 68-72.   | <input type="checkbox"/> |
|               | 9           | GRIMES, C.A., et al., "Magnetoelastic Sensors For Remote Query Environmental Monitoring" Smart Mater. Struct. 8 (1999) Pages 639-646, 1999 IOP Publishing Ltd., Printed in UK.  | <input type="checkbox"/> |
|               | 10          | JAMES, E.P., et al., "A Wireless Self-Powered Micro-System for Condition Monitoring", Department of Electronics and Computer Science, University of Southampton, Hampshire, England, 4 pages.   | <input type="checkbox"/> |

Examiner  
Signature

Date  
Considered

|  |    |  |                          |
|--|----|--|--------------------------|
|  | 11 | JAMES, E.P., et al., "An Investigation of Self-Powered Systems for Condition Monitoring Applications", Sensors and Actuators, pages 171-176, Elsevier B. V.  | <input type="checkbox"/> |
|  | 12 | LI, Yi-Qun, et al., "An Innovative Passive Solid-State Magnetic Sensor", www.sensorsmag.com, October 2000, Pages 52-54,  | <input type="checkbox"/> |
|  | 13 | LYNCH, B.J., et al., "A New Magnetic Sensor Technology", A New Magnetic Sensor Technology, Pages 13-20, presented in part at the Undersea Defence Technology Conference in London from February 7-9, 1990. | <input type="checkbox"/> |
|  | 14 | MENINGER, S., et al., "Vibration-to-Electric Energy Conversion", IEEE Transactions on VLSI Systems, v. 9, n. 1, p. 64 (2001)   | <input type="checkbox"/> |
|  | 15 | MERMELSTEIN, M.D., "Magnetoelastic Amorphous Metal Fluxgate Magnetometer", Electronics Letters, 1986, Vol. 22, No. 10, Pages 525-526.  | <input type="checkbox"/> |

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| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|